pentanediol, 2-isopropyl-; 1,3-pentanediol, 2-propyl-; 1,4-pentanediol, 2-isopropyl-; 1,4-pentanediol, 2-propyl-; 1,4-pentanediol, 3-isopropyl-; 2,4-pentanediol, 3propyl-; 1,3-hexanediol, 2,3-dimethyl-; 1,3-hexanediol, 2,5-dimethyl-; 1,3hexanediol, 3,4-dimethyl-; 1,3-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,5dimethyl-; 1,4-hexanediol, 2,2-dimethyl-; 1,4-hexanediol, 2,3-dimethyl-; 1,4hexanediol, 2,4-dimethyl-; 1,4-hexanediol, 3,3-dimethyl-; 1,4-hexanediol, 3,4dimethyl-; 1,4-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,4-dimethyl-; 1,4hexanediol, 4,5-dimethyl-; 1,5-hexanediol, 2,2-dimethyl-; 1,5-hexanediol, 3,4dimethyl-; 1,5-hexanediol, 3,5-dimethyl-; 1,5/hexanediol, 4,5-dimethyl-; 1,6hexanediol, 2,3-dimethyl-; 1,6-hexanediol, 2,4-dimethyl-; 1,6-hexanediol, 3,3dimethyl-; 2,4-hexanediol, 4,5-dimethyl-; /2,5-hexanediol, 2,3-dimethyl-; 2,5hexanediol, 2,4-dimethyl-; 2,5-hexanediol, 3,3-dimethyl-; 2,6-hexanediol, 3,3dimethyl-; 1,3-hexanediol, 4-ethyl-; 2,4-hexanediol, 3-ethyl-; 2,5-hexanediol, 3ethyl-; 1,3-heptanediol, 4-methyl-; 1,3-heptanediol, 5-methyl-; 1,3-heptanediol, 6methyl-; 1,5-heptanediol, 3-methyl-;/1,5-heptanediol, 4-methyl-; 1,6-heptanediol, 3-methyl-; 1,6-heptanediol, 5-methyl-; 2,4-heptanediol, 5-methyl-; 2,5-hcptanediol, 3-methyl-; 3,5-heptanediol, 2-methyl-; 2,6-octanediol; 2,4-hexanediol, 3,3,4trimethyl-; 2,4-hexanediol, 3,5,5-trimethyl-; 2,4-hexanediol, 4,5,5-trimethyl-; 2,5hexanediol, 3,3,4-trimethyl-; 2,5-hexanediol, 3,3,5-trimethyl-;

B. ether solvent selected from the group consisting of: 1,2-propanediol, 3-(2pentyloxy)-; 1,2-propanediol, 3-(3-pentyloxy)-; 1,2-propanediol, 3-(2-methyl-1butyloxy)-; 1,2-propanediol, 3-(iso-amyloxy)-; 1,2-propanediol, 3-(3-methyl-2butyloxy)-; 1,2-propanediol, 3-(cyclohexyloxy)-; 1,2-propanediol, 3-(1-cyclohex-1enyloxy)-; 1,3-propanediol, 2-(pentyloxy)-; 1,3-propanediol, 2-(2-pentyloxy)-; 1,3propanediol, 2-(3¹pentyloxy)-; 1,3-propanediol, 2-(2-methyl-1-butyloxy)-; 1,3propanediol, 2-(iso-amyloxy)-; 1,3-propanediol, 2-(3-methyl-2-butyloxy)-; 1,3propanediol, 2-(cyclohexyloxy)-; 1,3-propanediol, 2-(1-cyclohex-1-enyloxy)-; 1,2-1,2-propanediol, 3-(butyloxy)-, triethoxylated; propanediol,/ pentaethoxylated; 1,2-propanediol, 3-(butyloxy)-, tctraethoxylated; propanediol, 3-(butyloxy)-, hexaethoxylated; 1,2-propanediol, 3-(butyloxy)-, octaethoxylated; 3-(butyloxy)-, 1,2-propanediol, heptaethoxylated; propanediol, 3-(butyloxy)-, nonaethoxylated; 1,2-propanediol, 3-(butyloxy)-, monopropoxylated; 1,2-propanediol, 3-(butyloxy)-, dibutyleneoxylated; and 1,2propanediol, 3-(butyloxy)-, tributyleneoxylated; bis(2-hydroxybutyl)ether; and bis(2-hydroxycyclopentyl)ether;

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- C. unsaturated compounds which are homologs, or analogs, of the following compounds in which each homolog, or analog, contains at least one additional CH₂ group and the total number of hydrogen atoms is kept the same by inserting one double bond for each additional CH₂ group:
 - n-propanol;
 - II. 2-butanol and/or 2-methyl-2-propanol;
 - III. 2,3-butanediol, 2,3-dimethyl-; 1,2-butanediol, 2,3-dimethyl-; 1,2-butanediol, 3,3-dimethyl-; 2,3-pentanediol, 2-methyl-; 2,3-pentanediol, 3-methyl-; 2,3-pentanediol, 4-methyl-; 2,3-hexanediol; 3,4-hexanediol; 1,2-butanediol, 2-ethyl-; 1,2-pentanediol, 2-methyl-; 1,2-pentanediol, 3-methyl-; 1,2-pentanediol, 4-methyl-; and/or 1,2-hexanediol;
 - IV. 1,3-propanediol, 2-butyl-; 1,3-propanediol, 2,2-diethyl-; 1,3-propanediol, 2-(1-methylpropyl)-; 1,3-propanediol, 2-(2-methylpropyl)-; 1,3-propanediol, 2-methyl-2-propyl-; 1,2-butanediol, 2,3-trimethyl-; 1,4-butanediol, 2-ethyl-2-methyl-; 1,4-butanediol, 2-ethyl-3-methyl-; 1,4-butanediol, 2-propyl-; 1,4-butanediol, 2-isopropyl-; 1,5-pentanediol, 2,2-dimethyl-; 1,5-pentanediol, 2,3-dimethyl-; 2,3-pentanediol, 2,4-dimethyl-; 1,5-pentanediol, 3,3-dimethyl-; 2,3-pentanediol, 2,4-dimethyl-; 2,3-pentanediol, 3,4-dimethyl-; 2,3-pentanediol, 3,4-dimethyl-; 2,3-pentanediol, 4,4-dimethyl-; 3,4-pentanediol, 2,3-dimethyl-; 1,5-pentanediol, 2-methyl-; 1,6-hexanediol, 3-methyl-; 2,3-hexanediol, 4-methyl-; 2,3-hexanediol, 5-methyl-; 3,4-hexanediol, 2-methyl-; 3,4-hexanediol, 3-methyl-; 1,3-heptanediol; 1,4-; heptanediol; 1,5-heptanediol; and\or 1,6-heptanediol;
 - V. 1,3-propanediol, 2-(2-methylbutyl)-; 1,3-propanediol, 2-(1,1-dimethylpropyl)-1,3-propanediol, 2-(1,2-dimethylpropyl)-; 1,3-propanediol, 2-(1-ethylpropyl)-; 1,3-pyopanediol, 2-(1-methylbutyl)-; 1,3-propanediol, 2-(2,2-dimethylpropyl)-; 1,3/propanediol, 2-(3-methylbutyl)-; 1,3-propanediol, 2-butyl-2-methyl-; 1,3pyopanediol, 2-ethyl-2-isopropyl-; 1,3-propanediol, 2-ethyl-2-propyl-; 1,3propanediol, 2-mcthyl-2-(1-methylpropyl)-; 1,3-propanediol, 2-methyl-2-(2methylpropyl)-; 1,3-propancdiol, 2-tertiary-butyl-2-methyl-; 1,3-butancdiol, 2,2-diethyl-; 1,3-butanediol, 2-(1-methylpropyl)-; 1,3-butanediol, 2-butyl-; 1,3butanediol, 2-ethyl-2,3-dimethyl-; 1,3-butanediol, 2-(1,1-dimethylethyl)-; 1,3butanediol, 2-(2-methylpropyl)-; 1,3-butanediol, 2-methyl-2-isopropyl-; 1,3butanediol, 2-methyl-2-propyl-; 1,3-butanediol, 3-methyl-2-isopropyl-; 1,3butanediol, 3-methyl-2-propyl-; 1,4-butanediol, 2,2-diethyl-; 1,4-butanediol, 2methyl-2-propyl-; 1,4-butanediol, 2-(1-methylpropyl)-; 1,4-butanediol, 2-ethyl-2,3-dimethyl-; 1,4-butanediol, 2-ethyl-3,3-dimethyl-; 1,4-butanediol, 2-(1,1dimethylethyl)-; 1,4-butanediol, 2-(2-methylpropyl)-; 1,4-butanediol, 2methyl-3-propyl-; 1,4-butanediol, 3-methyl-2-isopropyl-; 1,3-pentanediol,

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1,3-pentanediol, 2,2,3-trimethyl-; 1,3-pentanediol, 2,2,4-trimethyl-; trimethyl-; 1,3-pentanediol, 2,4,4-trimethyl-; 1,3-pentanediol, 3,4,4-trimethyl-; 2,2,4-trimethy1-; 2,2,3-trimethyl-; 1,4-pentanediol, 1,4-pentanediol. 3,3,4-trimethyl-; 1.5-1,4-pentancdiol, 2,3,3-trimethyl-; pentanediol, 2,2,4-trimethyl-; 1,5-1,5-pentanediol, 2,2,3-trimethyl-; pentanediol, 2,3,4-trimethyl-; 2,4-1,5-pentanediol, 2,3,3-trimethyl-: pentanediol, 2,3,4/trimethyl-; 1,3-2,4-pentanediol, 2,3,3-trimethyl-; pentanediol, 1,3-2-ethyl-3-methyl-; 1,3-pentancdiol, 2-ethyl-2-methyl-; pentancdiol, 3/ethyl-2-methyl-; 1,4-1,3-pentanediol, 2-ethyl-4-methyl-; pentanediol, 2-ethyl-3-methyl-; 1,4-1,4-pentanediol, 2-ethyl-2-methyl-; pentanediol, 3-ethyl-2-methyl-; 1,4-1,4-pentanediol, 2-ethyl-4-methyl-; pentanediol, 2-ethyl-2-methyl-; 1,5-1,5-pentancdiol, 3-ethyl-3-methyl-; pentanediol, 1,5-2-ethyl-4-methyl-; 1,5-pentanediol, 2-ethyl-3-methyl-; pentanediol, 3-ethyl-2-methyl-; 1,3-2,4-pentanediol, 3-ethyl-3-methyl-; pentancdiol, 2-isopropyl-; 1,3-pentanediol, 2-propyl-; 1,4-pentanediol, 2pentanediol, isopropyl-; 1,4-pentanediol, 2-propyl-; 1,4-pentanediol, 3-isopropyl-; 1,5pentanediol, 2-isopropyl-; 2,4-pentanediol, 3-propyl-; 1,3-hexanediol, 2,2dimethyl-; 1,3-hexanediol, 2,3-dimethyl-; 1,3-hexanediol, 2,4-dimethyl-; 1,3hexanediol, 2,5-dimethyl-; 1,3-hexanediol, 3,4-dimethyl-; 1,3-hexanediol, 3,5dimethyl-; 1,3-hexanediol, 4,5-dimethyl-; 1,4-hexanediol, 2,2-dimethyl-; 1,4hexanediol, 2,3-dimethyl-; 1,4-hexanediol, 2,4-dimethyl-; 1,4-hexanediol, 2,5dimethyl-; 1,4-hexancdiol, 3,3-dimethyl-; 1,4-hexanediol, 3,4-dimethyl-; 1,4hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,4-dimethyl-; 1,4-hexanediol, 4,5dimethyl-; 1,4-hexanediol, 5,5-dimethyl-; 1,5-hexanediol, 2,2-dimethyl-; 1,5hexancdiol, 2,3-dimethyl-; 1,5-hexanediol, 2,4-dimethyl-; 1,5-hexanediol, 2,5dimethyl-; 1,5-hexanediol, 3,3-dimethyl-; 1,5-hexanediol, 3,4-dimethyl-; 1,5hexanediol, 3,5-dimethyl-; 1,5-hexanediol, 4,5-dimethyl-; 1,6-hexanediol, 2,2dimethyl-; 1,6-hexanediol, 2,3-dimethyl-; 1,6-hexanediol, 2,4-dimethyl-; 1,6hexanediol, 2,5-dimethyl-; 1,6-hexanediol, 3,3-dimethyl-; 1,6-hexanediol, 3,4dimethyl-; 2,4-hexanediol, 2,3-dimethyl-; 2,4-hexanediol, 2,4-dimethyl-; 2,4hexanediol, 2,5-dimethyl-; 2,4-hexanediol, 3,3-dimethyl-; 2,4-hexanediol, 3,4dimethyl-; 2,4-hexanediol, 3,5-dimethyl-; 2,4-hexanediol, 4,5-dimethyl-; 2,4hexanediol, 5,5-dimethyl-; 2,5-hexanediol, 2,3-dimethyl-; 2,5-hexanediol, 2,4dimethyl-; 2,5-hexanediol, 2,5-dimethyl-; 2,5-hexanediol, 3,3-dimethyl-; 2,5hexanediol, 3,4-dimethyl-; 2,6-hexanediol, 3,3-dimethyl-; 1,3-hexanediol, 2ethyl-; 1,3-hexanediol, 4-ethyl-; 1,4-hexanediol, 2-ethyl-; 1,4-hexanediol, 4ethyl-; 1,5-hexanediol, 2-ethyl-; 2,4-hexanediol, 3-ethyl-; 2,4-hexanediol, 4ethyl-; 2,5-hexanediol, 3-ethyl-; 1,3-heptanediol, 2-methyl-; 1,3-heptanediol, 3-5-methyl-; 1,3-1,3-heptanediol, 4-methyl-; 1,3-heptanediol, heptanediol, 6-methyl-; 1,4-heptanediol, 2-methyl-; 1,4-heptanediol, 3-methyl-; 1,4-heptanediol, 4-methyl-; 1,4-heptanediol, 5-methyl-; 1,4-heptanediol, 6-methyl-; 1,5-heptanediol, 2-methyl-; 1,5-heptanediol, 3-methyl-; 1,5-heptanediol, 6-methyl-; 1,6-heptanediol, 2-methyl-; 1,6-heptanediol, 3-methyl-; 1,6-heptanediol, 4-methyl-; 1,6-heptanediol, 5-methyl-; 1,6-heptanediol, 6-methyl-; 2,4-heptanediol, 2-methyl-; 2,4-heptanediol, 3-methyl-; 2,4-heptanediol, 4-methyl-; 2,4-heptanediol, 5-methyl-; 2,4-heptanediol, 6-methyl-; 2,5-heptanediol, 2-methyl-; 2,5-heptanediol, 3-methyl-; 2,5-heptanediol, 4-methyl-; 2,5-heptanediol, 5-methyl-; 2,5-heptanediol, 4-methyl-; 2,5-heptanediol, 3-methyl-; 2,6-heptanediol, 3-methyl-; 3,4-heptanediol, 3-methyl-; 3,5-heptanediol, 3-methyl-; 3,5-heptanediol, 3-methyl-; 3,5-heptanediol, 3-methyl-; 3,5-heptanediol, 2-methyl-; 3,5-heptanediol, 3-methyl-; 2,4-octanediol; 2,5-octanediol; 2,6-octanediol; 2,7-octanediol; 3,5-octanediol; and/or 3,6-octanediol;

VI. 2,4-pentanediol, 2,3,3,4-tetramethyl-; 2,4-pentanediol, 3-tertiarybutyl-; 2,4-hexanediol, 2,5,5-trimethyl-; 2,4-hexanediol, 3,3,4-trimethyl-; 2,4-hexanediol, 3,5,5-trimethyl-; 2,4-hexanediol, 4,5,5-trimethyl-; 2,5-hexanediol, 3,3,4-trimethyl-; and/or 2,5-hexanediol, 3,3,5-trimethyl-;

VII. Alkoxylated derivatives of C₃₋₈ diols selected from the group consisting of:

1. 1,2-propanediol 2(Me-polyethoxy₁₋₄); 1,2-propanediol polypropoxy₄; 1,2-propanediol, 2-methyl- (Me-polyethoxy4-10); 1,2-propanediol, 2methyl- 2(Me-polyethoxy₁); 1,2-propanediol, 2-methyl- polypropoxy₃; polybutoxy₁; 1,3-propanediol 1,2-propanediol/ 2-methylpolyethoxy₆₋₈); 1,3-propanediol polypropoxy₅₋₆; 1,3-propanediol, 2,2diethyl- polyethoxy₁₋₇; 1,3-propanediol, 2,2-diethyl- polypropoxy₁; 1,3propanediól, 2,2-diethyl- n-polybutoxy₁₋₂; 1,3-propanediol, 2,2-dimethyl-2(Me polyethoxy₁₋₂); 1,3-propanediol, 2,2-dimethyl- polypropoxy₃₋₄; 1,3-pyopanediol, 2-(1-methylpropyl)- polyethoxy₁₋₇; 1,3-propanediol, 2-(1-methylpropyl)- polypropoxyl; 1,3-propanediol, 2-(1-methylpropyl)- npolybutoxy₁₋₂; 1,3-propanediol, 2-(2-methylpropyl)- polyethoxy₁₋₇; 1,3propanediol, 2-(2-methylpropyl)- polypropoxy1; 1,3-propanediol, 2-(2n-polybutoxy₁₋₂; 1,3-propanediol, 2-ethylmethylpropyl)polyethoxy₆₋₁₀); 1,3-propanediol, 2-ethyl- 2(Me polyethoxy₁); 1,3propanediol, 2-ethyl- polypropoxy3; 1,3-propanediol, 2-ethyl-2-methyl-(Me polyethoxy₁₋₆); 1,3-propanediol, 2-ethyl-2-methyl- polypropoxy₂; polybutoxy₁; 1,3-propanediol, 2-1,3-propanediol, 2-ethyl-2-methyl-2-isopropyl-1,3-propanediol, polyethoxy1-6); (Me isopropylpolybutoxy₁; 1,3-1,3-propanediol, 2-isopropylpolypropoxy2; propancdiol, 2-methyl- 2(Me polyethoxy2-5); 1,3-propanediol, 2-methyl-

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polybutoxy2; polypropoxy4_5; 1,3-propanediol, 2-methylpolyethoxy2-9; 1,3-propanediol, 2propanediol, 2-methyl-2-isopropyl-2-methyl-2-1,3-propanediol, polypropoxy1; methyl-2-isopropyl-2-methyl-2-propyln-polybutoxy₁₋₃; 1,3-propanediol, isopropy!polyethoxy₁₋₇; 1,3-propanediol, 2-methyl-2-propylpolypropoxyj; 1,3propanediol, 2-methyl-2-propyl- n-polybutoxy₁₋₂; /1,3-propanediol, 2propyl- (Me polyethoxy₁₋₄); 1,3-propanediol, 2-propyl- polypropoxy₂; 1,3-propanediol, 2-propyl- polybutoxy1;

2. 1,2-butanediol (Me polyethoxy₂₋₈); 1,2-butanediol polypropoxy₂₋₃; 1,2butanediol polybutoxy1; 1,2-butanediol, 2,3-dimethyl- polyethoxy1-6; 1,2-butanediol, 2,3-dimethyl- n-polybutoxy₁₋₂; 1,2-butanediol, 2-ethylpolyethoxy₁₋₃; 1,2-butanediol, 2-ethyl/ n-polybutoxy₁; 1,2-butanediol, 2methyl- (Me polyethoxy₁₋₂); 1,2-butanediol, 2-methyl- polypropoxy₁; polyethoxy₁₋₆; 1,2-butanediol, 3,3-1,2-butanediol, 3,3-dimethyldimethyl- n-polybutoxy₁₋₂; 1,2-butanediol, 3-methyl- (Me polyethoxy₁₋ polypropoxyj; 1,3-butanediol 2(Me 2); 1,2-butanediol, 3-methyl-1,3-butanediol polypropoxy5; 1,3-butánediol polyethoxy3-6); polybutoxy2; 1,3-butanediol, 2,2,3-trimethyl- (Me polyethoxy1-3); 1,3polypropoxy₁₋₂; 1,3-butanediol, 2,2butanediol, 2,2,3-trimethyl-1,3-butanediol, 2,2-dimethyl-(Mé polyethoxy3-8); dimethylpolypropoxy3; 1,3-butanediol, 2,3-dimethyl- (Me polyethoxy3-8); 1,3butanediol, 2,3-dimethyl- polypropoxy3; 1,3-butanediol, 2-ethyl- (Me polyethoxy, 1-6); 1,3-butanediol, 2-ethyl- polypropoxy2-3; 1,3-butanediol, polybutoxyl; 1,3-butanediol, 2-ethyl-2-methyl-2-ethylpolyethoxy1); 1,3-butanediol, 2-ethyl-2-methylpolypropoxy1; 1,3butanediol, 2-ethyl-2-methyl- n-polybutoxy2-4; 1,3-butanediol, 2-ethyl-3polyethoxy₁); 1,3-butanediol, 2-ethyl-3-methyl-(Me methylpolypropoxy₁; 1,3-butanediol, 2-ethyl-3-methyl- n-polybutoxy₂₋₄; 1,3butanediol, 2-isopropyl- (Me polyethoxy]; 1,3-butanediol, 2-isopropylpolypropoxy1; 1,3-butanediol, 2-isopropyln-polybutoxy2_4; 1,3butancdiol, 2-methyl- 2(Me polyethoxy₁₋₃); 1,3-butanediol, 2-methylpolypropoxy4; 1,3-butanediol, 2-propyl- polyethoxy2_9; 1,3-butanediol, 2propyl- polypropoxy1; 1,3-butanediol, 2-propyl- n-polybutoxy1-3; 1,3butancdiol, 3-methyl- 2(Me polyethoxy₁₋₃); 1,3-butanediol, 3-methyl-2(Me polyethoxy2-4); 1,4-butanediol polypropoxy4; 1,4-butanediol polybutoxy₂; 1,4-butanediol, 2,2,3polypropoxy₄₋₅; 1,4-butanediol trimethyl- polyethoxy2-9; 1,4-butancdiol, 2,2,3-trimethyl- polypropoxy1; n-polybutoxy₁₋₃; 1,4-butanediol, 2,2-1,4-butanediol, 2,2,3-trimethyl-2,2-dimethyl-1,4-butanediol, polyethoxy1-6); (Me polypropoxy2; 1,4-butanediol, 2,2-dimethyl- polybutoxy1; 1,4-butanediol,

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(Me polyethoxy₁₋₆); 1,4-butanediol, 2,3-dimethyl 2,3-dimethylpolypropoxy2; 1,4-butanediol, 2,3-dimethyl- polybutoxy1; 1,4-butanediol, 2-ethyl- (Me polyethoxy₁₋₄); 1,4-butanediol, 2-ethyl- polypropoxy₂; 1,4polybutoxy1; 1,4-butanediol, 2-ethyl-2-methylbutanediol, 2-ethylpolyethoxy₁₋₇; 1,4-butanediol, 2-ethyl-2-methyl- polypropoxy₁; 1,4butanediol, 2-ethyl-2-methyl- n-polybutoxy₁₋₂; 1,4-butanediol, 2-ethyl-3methyl- polyethoxy₁₋₇; 1,4-butanediol, 2-ethyl-3-methyl- polypropoxy₁; 1,4-butanediol, 2-ethyl-3-methyl- n-polybutoxy1-2; 1,4-butanediol, 2isopropyl- polyethoxy₁₋₇; 1,4-butanediol, 2-isopropyl- polypropoxy₁; 1,4-butanediol, 2-isopropyl- n-polybutoxy₁₋₂;/1,4-butanediol, 2-methyl-(Me polyethoxy₆₋₁₀); 1,4-butanediol, 2-methyl- 2(Me polyethoxy₁); 1,4polypropoxy3, 1,4-butanediol, 2-methylbutanediol, 2-methylpolybutoxy1; 1,4-butanediol, 2-propyl- polyethoxy1-5; 1,4-butanediol, 2propyl- n-polybutoxy₁₋₂; 1,4-butanediol, 3-ethyl-1-methyl- polyethoxy₂-9; 1,4-butanediol, 3-ethyl-1-methyl- polypropoxy1; 1,4-butanediol, 3ethyl-1-methyl- n-polybutoxy₁₋₃; 2,3-butanediol (Me polyethoxy₆₋₁₀); 2,3-butanediol 2(Me polyethoxy₁); 2,3-butanediol polypropoxy₃₋₄; 2,3butanediol polybutoxy1; 2/3-butanediol, 2,3-dimethyl- polyethoxy3-9; 2,3-butanediol, 2,3-dimethyl- polypropoxy1; 2,3-butanediol, 2,3-dimethyln-polybutoxy₁₋₃; 2,3-butanediol, 2-methyl- (Me polyethoxy₁₋₅); 2,3polypropoxy2; 2,3-butanediol, 2-methyl-2-methylbutanediol, polybutoxy1;

1,2-pentanediol/polyethoxy3-10; 1,2-pentanediol, polypropoxy1; 1,2pentanediol, n-polybutoxy2-3; 1,2-pentanediol, 2-methyl polyethoxy1-3; 1,2-pentanediol, 2-methyl n-polybutoxy1; 1,2-pentanediol, 2-methyl polybutoxy1; 1,2-pentanediol, 3-methyl polyethoxy1-3; 1,2-pentanediol, 3-methyl n-polybutoxy1; 1,2-pentanediol, 4-methyl polyethoxy1-3; 1,2pentanediol, 4-methyl n-polybutoxy1; 1,3-pentanediol 2(Me-polyethoxy1-2); 1/3-pentanediol polypropoxy3-4; 1,3-pentancdiol, 2,2-dimethyl- (Mepolypropoxy₁; 1,3polyethoxy]); 1,3-pentanediol, 2,2-dimethyln-polybutoxy₂₋₄; 1,3-pentanediol, 2,3pentanediol, 2,2-dimethyl-2,3-dimethyl-1,3-pentanediol, (Me-polyethoxy1); dimethyln-polybutoxy2-4; 1,3polypropoxy₁; 1,3-pentanediol, 2,3-dimethyl-(Me-polyethoxy₁); 1,3-pentanediol, 2,4pentanediol, 2,4-dimethyldimethyl- polypropoxyl; 1,3-pentanediol, 2,4-dimethyl- n-polybutoxy2-4; polyethoxy2-9; 1,3-pentanediol, 2-ethyl-1,3-pentanediol, 2-ethyln-polybutoxy₁₋₃; 1,3polypropoxy₁; 1,3-pentanediol, 2-ethylpentanediol, 2-methyl- 2(Me-polyethoxy₁₋₆); 1,3-pentanediol, 2-methylpolypropoxy₂₋₃; 1,3-pentanediol, 2-methyl-polybutoxy₁; 1,3-pentanediol, (Me-polyethoxy₁); 1,3-pentanediol, 3,4-dimethyl-3,4-dimethyl-

Month (ml/h)

polypropoxy₁; 1,3-pentanediol, 3,4-dimethyln-polybutoxy2/4; 1,3pentanediol, 3-methyl- (Me-polyethoxy₁₋₆); I,3-pentanediol,/3-methylpolypropoxy2-3; 1,3-pentanediol, 3-methyl- polybutoxy1; 1,3-pentanediol, (Me-polyethoxy1); 1,3-pentanediol, / 4,4-dimethyl-4,4-dimethylpolypropoxy1; 1,3-pentanediol, 4,4-dimethyln-polybutoxy2_4; 1,3pentanediol, 4-methyl- (Me-polyethoxy1-6); 1,3-pentanediol, 4-methylpolypropoxy2-3; 1,3-pentanediol, 4-methyl- polybritoxy1; 1,4-pentanediol, 2(Me-polyethoxy₁₋₂); 1,4-pentanediol polypropoxy₃₋₄; 1,4-pentanediol, 2,2-dimethyl-(Me-polyethoxy); 1,4-pentanediol, 2,2-dimethyln-polybutoxy2_4; 1,4polypropoxy1; 1,4-pentanediol, 2,2-dimethyl-(Me-polyethoxy1), 1,4-pentanediol, 2,3pentanediol, 2,3-dimethyldimethyl- polypropoxy1; 1,4-pentanediol, 2,3-dimethyl- n-polybutoxy2-4; 1,4-pentanediol, 2,4-dimethyl- (Me-polyethoxy1); 1,4-pentanediol, 2,4dimethyl- polypropoxy1; 1,4-pentanediol, 2,4-dimethyl- n-polybutoxy2-4; 1,4-pentanediol, 2-methyl- /(Me-polyethoxy₁₋₆); 1,4-pentanediol, 2methyl- polypropoxy2-3; /,4-pentanediol, 2-methyl- polybutoxy1; 1,4-(Me-polyethoxy₁); 1,4-pentanediol, 3,3pentanediol, 3,3-dimethyldimethyl- polypropoxy1; 1,4-pentanediol, 3,3-dimethyl- n-polybutoxy2_4; 1,4-pentanediol, 3,4-dimethyl- (Me-polyethoxy1); 1,4-pentanediol, 3,4dimethyl- polypropoxy₁; 1,4-pentanediol, 3,4-dimethyl- n-polybutoxy₂₋₄; 1,4-pentanediol, 3-methyl- 2(Mc-polyethoxy₁₋₆); 1,4-pentanediol, 3methyl- polypropoxy2-3; 1,4-pentanediol, 3-methyl- polybutoxy1; 1,4pentanediol, 4-methyl- 2(Me-polyethoxy₁₋₆); 1,4-pentanediol, 4-methylpolypropoxy₂₋₃; 1,4-pentanediol, 4-mcthyl- polybutoxy₁; 1,5-pentanediol, 2(Me-polyethoxy₁); 1,5-(Me-polyethoxy₄₋₁₀); 1,5-pentanediol pentanediol polypropoxy3; 1,5-pentanediol, 2,2-dimethyl- polyethoxy1-7; 1,5/pentanediol, 2,2-dimethyl- polypropoxy1; 1,5-pentanediol, 2,2dimethyl- n-polybutoxy₁₋₂; 1,5-pentancdiol, 2,3-dimethyl- polyethoxy₁₋ 7; 1,5-pentanediol, 2,3-dimethyl- polypropoxy1; 1,5-pentanediol, 2,3dimethyl- n-polybutoxy₁₋₂; 1,5-pentanediol, 2,4-dimethyl- polyethoxy₁₋ 7; 1,5-pentanediol, 2,4-dimethyl- polypropoxy1; 1,5-pentanediol, 2,4dimethyl- n-polybutoxy₁₋₂; 1,5-pentanediol, 2-ethyl- polyethoxy₁₋₅; 1,5pentanediol, 2-ethyl- n-polybutoxy₁₋₂; 1,5-pentanediol, 2-methyl- (Mepolyethoxy1-4); 1,5-pentanediol, 2-methylpolypropoxy2; 1,5pentanediol, 3,3-dimethyl- polyethoxy₁₋₇; 1,5-pentanediol, 3,3-dimethylpolypropoxy₁; 1,5-pentanediol, 3,3-dimethyl- n-polybutoxy₁₋₂; 1,5pentanediol, 3-methyl- (Me-polyethoxy₁₋₄); 1,5-pentanediol, 3-methyl-(Me-polyethoxy₁₋₃); 2,3-pentanediol, polypropoxy2; 2,3-pentanediol, polypropoxy2; 2,3-pentanediol, 2-methyl- polyethoxy1-7; 2,3-pentanediol, 2-methyl- polypropoxy₁; 2,3-pentanediol, 2-methyl- n-polybutoxy₁₋₂;

Mant'd

(M)

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2,3-pentanediol, 3-methyl-polyethoxy₁₋₇; 2,3-pentanediol, 3-methyln-polybutoxy₁₋₂; /2,3polypropoxy1; 2,3-pentanediol, 3-methylpolyethoxy1.7; 2,3-pentanediol, 4/methylpentanediol, 4-methyln-polybutoxy $_{1-2}$; 2,4polypropoxy1; 2,3-pentanediol, 4-methylpentanediol, 2(Me-polyethoxy₁₋₄); 2,4-pentanediol polypropoxy₄; 2,4pentanediol, 2,3-dimethyl- (Me-polyethoxy₁₋₄); 2,4-pentanediol, 2,3polypropoxy2; 2,4-pentanediol, 2,4-dimethyl-(Medimethylpolypropoxy₂; 2,4polyethoxy₁₋₄); 2,4-pentanediol, 2,4-dimethylpentanediol, 2-methyl- (Me-polyethoxy5-10); 2,4-pentanediol, 2-methylpolypropoxy3; 2,4-pentanediol, 3,3-dimethyl-/(Me-polyethoxy1-4); 2,4pentanediol, 3,3-dimethyl- polypropoxy2, 2,4-pentanediol, 3-methyl-(Me-polyethoxy5-10); 2,4-pentanediol, 3-methyl- polypropoxy3;

4. 1,3-hexanediol (Mc-polyethoxy₁₋₅); 1/3-hexanediol polypropoxy₂; 1,3hexanediol polybutoxy1; 1,3-hexanediol, 2-methyl- polyethoxy2-9; 1,3hexanediol, 2-methyl- polypropóxyl; 1,3-hexanediol, 2-methyl- npolybutoxy1-3; 1,3-hexanediol, 2/methyl- polybutoxy1; 1,3-hexanediol, 3methyl- polyethoxy2-9; 1,3-hexanediol, 3-methyl- polypropoxy1; 1,3n-polybutoxy₁₋₃; 1,3-hexanediol, 4-methylhexanediol, 3-methylpolycthoxy2-9; 1,3-hexanediol, 4-methyl- polypropoxy1; 1,3-hexanediol, 4-methyl- n-polybutoxy1-3; 1,3-hexanediol, 5-methyl- polyethoxy2-9; 1,3-hexanediol, 5-methyl- polypropoxy1; 1,3-hexanediol, 5-methyl- n-(Me-polyethoxy₁₋₅); 1,4-hexanediol polybutoxy₁₋₃; 1,Á-hexanediol polypropoxy2; 1/4-hexanediol polybutoxy1; 1,4-hexanediol, 2-methylpolyethoxy2-9;/1,4-hexanediol, 2-methyl- polypropoxy1; 1,4-hexanediol, 2-methyl- p-polybutoxy₁₋₃; 1,4-hexanediol, 3-methyl- polyethoxy₂₋₉; 1,4-hexanediol, 3-methyl- polypropoxyj; 1,4-hexanediol, 3-methyl- npolybutoxy1-3; 1,4-hexanediol, 4-methyl- polyethoxy2-9; 1,4-hexanediol, 4-methyl- polypropoxy; 1,4-hexanediol, 4-methyl- n-polybutoxy1-3; 1,4-hexanediol, 5-methyl-polyethoxy2-9; 1,4-hexanediol, 5-methylpolypropoxy1; 1,4-hexanediol, 5-methyl- n-polybutoxy1-3; 1,5-hexanediol polypropoxy2; 1,5-hexanediol (Me-polyethoxy₁₋₅); 1,5-hexanediol polybutoxy1; 1,5-hexanediol, 2-methyl- polyethoxy2-9; 1,5-hexanediol, 2methyl- polypropoxy1; 1,5-hexanediol, 2-methyl- n-polybutoxy1_3; 1,5polyethoxy2-9; 1,5-hexancdiol, 3-methylhexanediol, 3-methylpolypropoxy1; 1,5-hexanediol, 3-methyln-polybutoxy₁₋₃; 1,5polyethoxy2_9; 1,5-hexanediol, 4-methylhexanediol, 4-methylpolypropoxy₁; 1,5-hexanediol, 4-methyln-polybutoxy₁₋₃; 1,5polyethoxy2-9; 1,5-hexanediol, 5-methylhexanediol. 5-methylpolypropoxy₁; 1,5-hexanediol, 5-methyl- n-polybutoxy₁₋₃; 1,6-hexanediol (Mc-polyethoxy₁₋₂); 1,6-hexanediol polypropoxy₁₋₂; 1,6-hexanediol npolybutoxy4; 1,6-hexanediol, 2-methyl- polyethoxy1_5; 1,6-hexanediol, 2methyl- n-polybutoxy₁₋₂; 1,6-hexanediol, 3-methyl- polyethoxy₁₋₅; 1,6hexanediol, 3-methyl- n-polybutoxy₁₋₂; 2,3-hexanediol polyethoxy₁₋₅; polybytoxy; 2,4n-polybutoxy₁; 2,3-hexanediol 2.3-hexanediol polypropoxy3; 2,4-(Me-polyethoxy₃₋₈); 2,4-hexanediol hexanediol hexanediol, 2-methyl- (Me-polyethoxy₁₋₂); 2,4-hexanediol 2-methylpolypropoxy₁₋₂; 2,4-hexanediol, 3-methyl- (Me-polyethoxy₁₋₂); 2,4hexanediol 3-methyl- polypropoxy₁₋₂; 2,4-hexanediol, 4-methyl- (Mepolypropoxy₁₋₂; 2,4polyethoxy₁₋₂); 2,4-hexanediol 4-methyl-(Me-polyethoxy1-2); 2,4-hexanediol 5-methylhexanediol, 5-methyl-(Me-polyethoxy3_8); 2,5-hexanediol polypropoxy₁₋₂; 2,5-hexanediol polypropoxy3; 2,5-hexanediol, 2-methyl-(Me-polyethoxy₁₋₂); 2,5hexanediol 2-methyl- polypropoxy/-2; 2,5-hexanediol, 3-methyl- (Mepolyethoxy₁₋₂); 2,5-hexanediol/3-methylpolypropoxy₁₋₂; 3,4hexanediol polyethoxy₁₋₅; 3,4₇hexanediol n-polybutoxy₁; 3,4-hexanediol polybutoxy1;

polypropoxy1; 1,3polyethoxy₁₋₇; 1,3-heptanediol 5. 1,3-heptanediol polyethoxy₁₋₇; I,4n-polybutoxy₁₋₂; 1,4-heptanediol heptanediol polypropoxy; 1,4-heptanediol n-polybutoxy₁₋₂; 1,5heptanediol polyethoxy₁₋₇; 1,5-heptanediol polypropoxy₁; 1,5heptanediol polyethoxy₁₋₇; i,6n-polybutoxy₁₋₂; 1,6-heptanediol heptanediol n-polybutoxy₁₋₂; 1,7polypropoxy₁; 1,6-heptanediol heptanediol polyethoxy₁₋₂; 1,7-heptanediol n-polybutoxy1; 2,4heptanediol (Me-polyethoxy₁); 2,4polyethoxy₃₋₁₀; 2,4-heptanediol heptanediol polypropoxy₁; 2,4-heptanediol n-polybutoxy3; 2,5heptanediol (Me-polyethoxy₁); 2,5polyethoxy₃₋₁₀; 2,5-heptanediol heptanediol polypropoxy₁; 2,5-heptanediol n-polybutoxy3; 2,6heptanediol polyethoxy3-10; 2,6-heptanediol (Me-polyethoxy₁); 2,6heptanediol n-polybutoxy3; 3,5polypropoxy₁; 2,6-heptanediol heptanediol (Me-polyethoxy₁); 3,5polyethoxy₃₋₁₀; 3,5-heptanediol heptanediol

heptanediol polypropoxy1; 3,5-heptanediol n-polybutoxy3;
1,3-butanediol, 3-methyl-2-isopropyl- polypropoxy1; 2,4-pentanediol,
2,3,3-trimethyl- polypropoxy1; 1,3-butanediol, 2,2-diethyl- polyethoxy25; 2,4-hexanediol, 2,3-dimethyl- polyethoxy2-5; 2,4-hexanediol, 2,5-dimethyl- polyethoxy2-5;
2,4-hexanediol, 3,3-dimethyl- polyethoxy2-5; 2,4-hexanediol, 3,4-dimethyl- polyethoxy2-5; 2,4-hexanediol, 3,5-dimethyl- polyethoxy2-5;
2,4-hexanediol, 4,5-dimethyl- polyethoxy2-5; 2,4-hexanediol, 5,5-dimethyl- polyethoxy2-5; 2,5-hexanediol, 2,5-hexanediol, 2,4-dimethyl- polyethoxy2-5; 2,5-hexanediol, 2,5-hexanedi

dimethyl- polyethoxy2-5; 2,5-hexanediol, 3,3-dimethyl- polyethoxy2-5; 2,5-hexanediol, 3,4-dimethyl- polyethoxy2-5; 3,5-heptanediol, 3-methylpolyethoxy₂₋₅; 1,3-butanediol, 2,2-diethyln-polybutoxy(-2; 2,4hexanediol, 2,3-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 2,4-dimethyln-polybutoxy₁₋₂; 2,4-hexanediol, 2,5-dimethyln-polybutoxy₁₋₂; 2,4hexanediol, 3,3-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 3,4-dimethyln-polybutoxy₁₋₂; 2,4-hexanediol, 3,5-dimethyl- n/polybutoxy₁₋₂; 2,4hexanediol, 4,5-dimethyl- n-polybutoxy1-2; 2,4-hexanediol, 5,5-dimethyl-, n-polybutoxy₁₋₂; 2,5-hexanediol, 2,3-dimethyl- n-polybutoxy₁₋₂; 2,5hexanediol, 2,4-dimethyl- n-polybutoxy₁₋₂; 2,5-hexanediol, 2,5-dimethyln-polybutoxy₁₋₂; 2,5-hexanediol, 3,3-dimethyl- n-polybutoxy₁₋₂; 2,5hexanediol, 3,4-dimethyl- n-polybutoxy/1-2; 3,5-heptanediol, 3-methyl- npolybutoxy₁₋₂; 1,3-propanediol, 2-(1,\(\hat{L}\)-dimethylpropyl)- n-polybutoxy₁; 1,3-butancdiol, 2-ethyl-2,3-dimethyl- n-polybutoxy1; 1,3-butancdiol, 2methyl-2-isopropyl- n-polybutoxy1; 1,4-butanediol, 3-methyl-2-isopropyln-polybutoxy1; 1,3-pentanediól, 2,2,3-trimethyln-polybutoxy₁; 1,3n-polybutoxy₁; 1,3-pentanediol, 2,4,4pentanediol, 2,2,4-trimethyln-polybutoxy₁; 1,3-pentanediol, 3,4,4-trimethyltrimethylpolybutoxy1; 1,4-pentánediol, 2,2,3-trimethyln-polybutoxy₁; 1,4n-polybutoxy; 1,4-pentanediol, 2,3,3pentanediol, 2,2,4-trimethyl-2,3,4-trimethyln-pólybutoxy₁; 1,4-pentanediol, trimethyl-1,4-pentancdiol, 3,3,4-trimethyln-polybutoxy₁; 2,4polybutoxy; pentanediol, 2,3,4-trimethyl- n-polybutoxy1; 2,4-hexanediol, 4-ethyl- npolybutoxy/j; 2,4-heptanediol, 2-methyl- n-polybutoxy1; 2,4-heptanediol, 3-methyl n-polybutoxy; 2,4-heptanediol, 4-methyl n-polybutoxy; 2,4heptanediol, 5-methyl- n-polybutoxy1; 2,4-heptanediol, 6-methyl- npolybutoxy1; 2,5-heptanediol, 2-methyl- n-polybutoxy1; 2,5-heptanediol, 3-methyl- n-polybutoxy; 2,5-heptanediol, 4-methyl- n-polybutoxy; 2,5heptanediol, 5-methyl- n-polybutoxy1; 2,5-heptanediol, 6-methyl- npolybutoxy1; 2,6-heptanediol, 2-methyl- n-polybutoxy1; 2,6-heptanediol, 3-methyl- n-polybutoxy1; 2,6-heptanediol, 4-methyl- n-polybutoxy1; 3,5n-polybutoxy₁; 1,3-propanediol, 2-(1,2heptanediol, 2-methylpolyethoxy₁₋₃; 1,3-butanediol, 2-ethyl-2,3-dimethyldimethylpropyl)polyethoxy₁₋₃; 1,3-butanediol, 2-methyl-2-isopropyl- polyethoxy₁₋₃; 1,4butanediol, 3-methyl-2-isopropyl- polyethoxy₁₋₃; 1,3-pentancdiol, 2,2,3trimethyl- polyethoxy₁₋₃; 1,3-pentanediol, 2,2,4-trimethyl- polyethoxy₁₋ 3; 1,3-pentanediol, 2,4,4-trimethyl- polyethoxy₁₋₃; 1,3-pentanediol, 3,4,4trimethyl- polyethoxy₁₋₃; 1,4-pentanediol, 2,2,3-trimethyl- polyethoxy₁₋ 3; 1,4-pentanediol, 2,2,4-trimethyl- polyethoxy₁₋₃; 1,4-pentanediol, 2,3,3trimethyl- polyethoxy₁₋₃; 1,4-pentanediol, 2,3,4-trimethyl- polyethoxy₁₋

Contd

3; 1,4-pentanediol, 3,3,4-trimethyl- polyethoxy₁₋₃; 2,4-pentanedjól, 2,3,4trimethyl- polyethoxy₁₋₃; 2,4-hexanediol, 4-ethyl- polyethoxy₁₋₃; 2,4polyethoxy₁₋₃; 2,4-heptanedjól, 3-methylheptanediol, 2-methylpolyethoxy1_3; 2,4-heptanediol, 4-methylpolyethoxy1_3; polyethoxy₁₋₃; 2,4-heptanediol, 6-methylheptanediol, 5-methyl-2,5-heptanediol, 2-methylpolyethoxy₁₋₃; 2,5polyethoxy1_3; 2,5-heptanediol, 4-methylpolyethoxy1_3; heptanediol, 3-methyl-2,5-heptanediol, polyethoxy1-3; 5-methy/polyethoxy1.3; polyethoxy₁₋₃; 2,6-heptanediol, 2-methylheptanediol, 6-methyl-3-methylpolyethoxy₁₋₃; 2,6-heptanediol, polyethoxy1_3; heptanediol, 4-methyl- polyethoxy_{1,}/3; and/or 3,5-heptanediol, 2-methylpolyethoxy1.3;

mixtures thereof; and

VIII. aromatic diols selected from the group consisting of: 1-phenyl-1,2-ethanediol; 3-phenyl-1,2-2-phenyl-1,2-propanediol; 1-phenyl-1.2-propanediol; propanediol; 1-(3-methylphenyl)-1,3-propanediol; 1-(4-methylphenyl)-1,3propanediol; 2-methyl-1-phenyl-1,3-propanediol; 1-phenyl-1,3-butancdiol; 3phenyl-1,3-butanediol; / 1-phenyl-1,4-butanediol; 2-phenyl-1,4-butanediol; and/or 1-phenyl-2,3-butanediol; and mixtures thereof; and

IX. mixtures thereof;

with the exception of the following specific unsaturated compounds: 3,7-Octadiene, 2,5-diol, 2,7-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 3,5-dimethyl-; 4,6-Octadiene-1,2-diol, 4,6-Octadiene-1,2-diol, dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5, dimethyl-; 1-Hexene-3,4-diol, 5,5-dimethyl-; 6-Heptene-1,4-diol, 4methyl-; 4-Octene-3,6-diol; 4-Octene-3,6-diol; 3-Octene-1,2-diol; 3-Nonene-2,5-diol; 7-Nonene-4,5-diol; 7-Nonene-4,5-diol; 6-Nonene-2,3diol; 6-Heptene-2,4-diol, 5-methyl-; 6-Octene-1,2-diol, 7-methyl-3methylene-; 2,7-Octadiene-1,6-diol, 2,6-dimethyl-; 1,3-Propanediol, 2-(2mcthylenepentyl)-; 3-Heptene-2,6-diol, 2,6-dimethyl-; 3-Heptene-2,6-diol, 2,6-dimethyl-; 5-Hexene-2,4-diol, 3,5-dimethyl-; 4-Hexene-1,2-diol, 2,5dimethyl-; 4-Hexene-1,2-diol, 2,5-dimethyl-; 7-Octene-1,6-diol; 2-Hexene-1,4-diol, 2,5-dimethyl-; 2-Hexene-1,4-diol, 2,5-dimethyl-; 1,4-Hexanediol, 5-methyl-2-methylene-; 4-Octene-2,3-diol; Nonene-1,4-diol; 6-Heptene-1,4-diol, 4-methyl-; 6-Octene-3,5-diol, 4-methyl-; 2,6-Octadiene-1,8-diol, 2,6-dimethyl-; (8-Hydroxygeraniol); 1-Heptene-3,5-diol, 2,4-dimethyl-2,4-Hexanediol, 5-methyl-3-methylene-; 2,4-Hexanediol, 5-methyl-3methylene-; 5-Hexene-2,4-diol, 3-ethenyl-2,5-dimethyl-; 5-Hexene-2,4-

3-ethenyl-2,5-dimethyl-; 6-Heptene-2,4-diol, 5-methyl-; diol, Decadiene-1,8-diol; 5-Hexene-1,3-diol, 2,4-dimethyl-; 7-Octene-1,3-diol, 2-methyl-; 5-Heptene-3-d-1,2-diol, 2,6-dimethyl-; 5-Heptene-3-d-1,2-diol, 2,6-dimethyl-; 4-Nonene-2,8-diol; 4-Nonene-2,8-diol; 5-Hexene-2,3-diol, 2,3-dimethyl-; 2-Butene-1,4-diol, 2-butyl-; 2,4-Hexadiene-1,6-diol, 3-(1,1dimethylethyl)-; 6-Octene-1,4-diol, 7-methyl-; 6-Heptene-1,4-diol, 5,6dimethyl-; 6-Heptene-1,4-diol, 5,6-dimethyl-; 7-Octene-2,5-diol, 7-methyl-; 7-Octene-2,5-diol, 7-methyl-; 4-Hexene-1,3/diol, 2,4-dimethyl-; 4-Octene-2,7-diol; 4-Octene-2,7-diol; 3-Heptene-1,2-diol, 5-methyl-; 3-Heptene-1,2-diol, 5-methyl-; 3,7-Octadiene-2,6-diol, 2,6-dimethyl-; 8-Nonene-1,7-diol; 2,6-Octadiene-1,4-diol, 3,7-dimethyl-; 5-Hexene-1,4diol, 2,4-dimethyl-; 1-Heptene-3,4-diol, 6-methyl-; 3-Heptene-1,5-diol, 4,6-dimethyl-; 3-Octene-1,5-diol, /4-methyl-; 3,9-Decadiene-1,2-diol; 7-Octene-2,3-diol, 2-methyl-; 7-Octene-2,3-diol, 2-methyl-; 6-Nonene-2,3diol; 2,5-Hexanediol, 3-methyl-4-methylene-; 6-Heptene-1,4-diol, 2methyl-; 6-Octene-1,5-diol; 1-Octene-3,4-diol; 7-Octene-1,6-diol, 5methyl-; 7-Octone-1,6-diol, 5-methyl-; 1,3-Butanediol, 2-methyl-2-(1methylethenyl)-; 1,3-Pentanediol, 2-ethenyl-4,4-dimethyl-; 3,5-Octanediol, 4-methylene-; 3,5-Octanediol, 4-methylene-; 6-Heptene-2,3-diol, 2methyl-; 6-Heptene-2,3-diol, 2,6-dimethyl-; 6-Heptene-2,3-diol, 2-methyl-; 7-Octene-1,3-diol, 4-methyl-; 1,3-Butanediol, 2-methyl-2-(1-methyl-2propenyl)-; 5-Heptene-1,2-diol, 2,6-dimethyl-; 1-Nonene-3,4-diol; 5-Heptene-1,2-diol, 3-methyl-; 3,7-Octadiene-2,6-diol, 2,6-dimethyl-; 6-Heptene-1,3-diol, 2,2-dimethyl-; 4-Nonene-1,3-diol; 1,4-Pentanediol, 3methyl-2-(2-propenyl)-; 1-Nonene-3,4-diol; 8-Nonene-1,2-diol; 3-Octene-1/2-diol; 1,9-Decadiene-4,6-diol; 1,9-Decadiene-4,6-diol; 5-Hexene-1,3diol, 2,2-dimethyl-; 1,3-Propanediol, 2-(1-pentenyl)-; 1,3-Propanediol, 2-(3-methyl-1-butenyl)-; l,3-Propanediol, 2-(3-methyl-1-butenyl)-; Nonene-1,3-diol; 2,4-Octadiene-1,8-diol, 2,7-dimethyl-; 5-Heptene-1,2diol, 6-methyl-; 3,9-Decadiene-1,2-diol; 3-Nonenc-1,2-diol; 6-Nonene-1,2diol; 4-Hexene-1,3-diol, 2,4-dimethyl-; 2,4-Octadiene-1,7-diol, 3,7dimethyl-; 4-Hexene-2,3-diol, 3,4-dimethyl-; 4-Hexene-2,3-diol, 3,4dimethyl-; 4-Hexene-2,3-diol, 3,4-dimethyl-; 4-Hexene-2,3-diol, 3,4dimethyl-; 5-Hexene-2,3-diol, 3,4-dimethyl-; 5-Hexene-2,3-diol, 3,4dimethyl-; 5-Hexene-2,3-diol, 3,4-dimethyl-; 1,3-Butanediol, 2-methyl-2-(2-propenyl)-; 6-Heptene-2,5-diol, 4,6-dimethyl-; 6-Heptene-1,5-diol, 6methyl-; 6-Heptene-2,5-diol, 4,6-dimethyl-; 1,5-Pentanediol, 2-(2propenyl)-; 5-Hexene-2,3-diol, 3,5-dimethyl-; 5-Hexene-2,3-diol, 3,5dimethyl-; Nonenediol; Octenediol; 5-Hexene-1,3-diol, 3,5-dimethyl-;/4-Nonene-1,8-diol; 4-Nonene-1,7-diol; 4-Nonene-1,6-diol; 6-Nonene-1,4diol; 2-Nonene-1,4-diol; 8-Nonene-2,5-diol; 5-Heptene-1,2-diol, 2-ethenyl-6-methyl-; 4-Hexene-2,3-diol, 2,5-dimethyl-; 5-Heptene-2,3/diol, 2,6dimethyl-; 1-Heptene-3,5-diol, 2,6-dimethyl-; 1-Heptene-3,5-diol, 2,6dimethyl-; 7-Octene-1,3-diol, 7-methyl-; 1,3-Propanediol, 2-methyl-2-(3methyl-3-butenyl)-; 5-Heptene-1,2-diol, 2,6-dimethyl-;/5,7-Octadiene-2,3diol, 2,6-dimethyl-; 5,7-Octadiene-2,3-diol, 2,6-dimethyl-; 5-Hexene-1,2diol, 2-ethyl-; 2,4-Nonadiene-4-d-1,7-diol, 6-methyl-; 2,4-Nonadiene-1,6,7-d3-1,7-diol, 6-methyl-; 2,4-Nonadiene-1,7-diol, 6-methyl-; 7-Octene-3-mcthyl-2-(4-1,3-Butanediol, 2-methyl-6-methylene-; 2,3-diol, pentenylidene)-; 1,3-Butancdiol, 3-methyl/2-(4-pentenylidene)-; 2-Hexene-1,4-diol, 5,5-dimethyl-; 2-Hexene-1,4-diol, 5,5-dimethyl-; 2-Nonene-1,4diol; 2-Noncne-1,4-diol; 7-Octene-2,3-diol, 2-methyl-6-methylene-; 5-Octene-1,3-diol; 7-Octene-1,3-djol, 2-methyl-; 4-Heptene-1,3-diol, 2methyl-; 4-Octene-2,3-d2-1,2-diol; 4-Octene-2,3-d2-1,2-diol; 5-Heptene-3-mcthyl-; 5-Ogtene-1,2-diol; 3,7-Octadiene-1,6-diol, 2,6dimethyl-; 5-Heptene-1,2-diol, 2,6-dimethyl-; 1,7-Octadiene-4,5-diol, 4,5dimethyl-; 1,7-Octadiene-4,5-diol, 4,5-dimethyl-; 5-Heptene-1,3-diol, 2methyl-; 5-Heptene-1,3-diol, 2-methyl-; 3-Hexene-1,6-diol, 3,4-dimethyl-; 2,6-Octadiene-1-t-1,8-diol, 3-Hexenc-1,6-diol, 3,4-dimethyl-; dimethyl-; 2,67Octadiene-1-t-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1-t-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-A-d-1-t-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1,8-diol, 2,6dimethy]/; 2-Heptene-1,5-diol, 6-methyl-; 2-Heptene-1,5-diol, 6-methyl-; 8,9-Decadiene-3,5-diol; 8,9-Decadiene-3,5-diol; 4,6-Nonadiene-1,3-diol, 8-methyl-; 3,5-Nonadienc-1,7-diol, 8-methyl-; 5-Heptenc-1,3-diol, 2,4dimethyl-; 2-Nonene-1,9-diol; 2-Nonene-1,9-diol; 1,3-Butanediol, 2-ethyl-2/-(2-propenyl)-; 3-Heptene-1,5-diol, 6-methyl-; 1,3-Pentanediol, 2ethenyl-4-methyl-; 1,3-Pentanediol, 2-ethenyl-4-methyl-; 5-Hexene-2,3diol, 3,4-dimethyl-; 5-Hexene-2,3-diol, 2,3,4-trimethyl-; 4-Pentene-1,2diol, 2,3,3-trimethyl-; 1,3-Propanediol, 2-(2-methyl-2-propenyl)-2-(2propenyl)-; 1,3-Propanediol, 2-(2-butenyl)-2-(2-propenyl)-; 5-Hexcne-1,2diol, 2-ethyl-; 1,4-Butanediol, 2-(4-methyl-3-pentenylidene)-; 6-Heptene-1,3-diol, 2-methyl-; 2,6-Octadiene-1,8-diol-2-13C, 2,6-dimethyl-; 1-Hexene-3,4-diol, 5,5-dimethyl-; 1-Hexene-3,4-diol, 5,5-dimethyl-; 1-

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Nonene-3,4-diol; 8-Nonene-2,4-diol; 8-Nonene-2,4-diol; 7-Octene-1,2/4 diol, 2-methyl-; 1-Nonene-3,5-diol; 2,7-Octadiene-1,6-diol, 2,6-dimethyl-; 2,5-Octadiene-1,7-diol, 7-Octene-1,2-diol; 7-Octene-1,2-diol; dimethyl-; 1,3-Propanediol, 2-(2,2-dimethylpropylidene)-; 6-Octéne-1 2diol, 7-methyl-3-methylene-; 2,8-Decadiene-1,10-diol; 6-Octepe-1,5-diol, 7-methyl-; 1,3-Butanediol, 2-(1-ethyl-1-propenyl)-; 4-Hexené-1,2-diol, 4-2-(3-methyl-2ethyl-3-methyl-; 8-Nonene-1,3-diol; 1,4-Butanediol, butenyl)-3-methylene-; 2,6-Heptadiene-1,4-diol, 2,5/5-trimethyl-; 2,6-Heptadiene-1,4-diol, 2,5,5-trimethyl-; 8-Nonenc-2,4,diol; 2,6-Heptanediol, 4-methylene-; 3-Hexene-3,4-diol, 2,5-dimethyl-, 4-Octene-4,5-diol; 5-2-ethenyl-2,5-3-Hexens-1,6-diol, 2,3-dimethyl-; Hexene-1,2-diol, dimethyl-; 3-Hexene-1,5-diol, 2,4-dimethyl-; 3-Hexene-1,5-diol, 2,4dimethyl-; 3,7-Octadiene-2,6-diol, 2,6-dimethyl-; 3,6-Octadiene-1,2-diol, 3,7-dimethyl-; 7-Octene-2,3-diol, 6-methyl-; 7-Octene-2,3-diol, 6-methyl-; 7-Octene-2,3-diol, 6-methyl-; 2,5-Øctadiene-1,7-diol, 3,7-dimethyl-; 6-Octene-1,3-diol, 7-methyl-; Decadienediol; 6-Heptene-1,2-diol, 2,3dimethyl-; 4-Hexene-1,3-diol, \$5,5-dimethyl-; 4-Pentene-1,3-diol, 2-(1,1dimethylethyl)-; 4-Pentene-1/,3-diol, 2-(1,1-dimethylethyl)-; 1-Heptene-3,5-diol, 6,6-dimethyl-; 1-Heptene-3,5-diol, 6,6-dimethyl-; 1,3-Hexanediol, 5-methyl-4-methylene-;/4-Octcne-1,2-diol; 2,3-Heptanediol, 3-ethenyl-; 2,3-Heptanediol, 3-ethenyl-; 5-Hexene-1,3-diol, 2,4-dimethyl-; 5-Hexene-1,3-diol, 2,4-dimethyl-; 5-Hexcne-1,3-diol, 2,4-dimethyl-; 2,6-Octadiene-1-t-1,8-diol, 3,7/dimethyl-; 8-Nonene-2,4-diol; 8-Nonene-2,4-diol; 1,3-Octanediol, 2-methylene-; 8-Nonene-1,3-diol; 5-Heptene-1,4-diol, 3,6dimethyl-; 5/Heptene-1,4-diol, 2,6-dimethyl-; 4-Octene-2,3-diol; 4-Octene-2,3-diol; /5,7-Octadiene-1,4-diol, 2,7-dimethyl-; 7-Octene-1,3-diol, 7methyl-; 2-Heptene-1,5-diol, 5-ethyl-; 2-Heptene-1,5-diol, 5-ethyl-; 1,3-Pentanediol, 2-ethenyl-3-ethyl-; 5-Heptene-2,4-diol, 2,3-dimethyl-; 5-Hepténe-2,4-diol, 2,3-dimethyl-; 8-Nonene-3,4-diol; 8-Nonene-3,4-diol; 5-Hexene-1,3-diol, 4,5-dimethyl-; 5-Hexene-1,3-diol, 4,5-dimethyl-; 4,6-Octadiene-2,3-diol, 3,7-dimethyl-; 1,3-Butanediol, 2,2-diallyl-; 1,9-Decadiene-3,8-diol; 2-Heptene-1,4-diol, 5,6-dimethyl-; 2-Heptene-1,4-diol, 5-methyl-; 2-Heptene-1,4-diol, 5,6-dimethyl-; 2-Fleptene-1,4-diol, 5methyl-; 2,8-Decadiene-5,6-diol; 2,7-Octadiene-1,6-diol, 2,6-dimethyl- (8-Hydroxylinalool); 6-Heptene-1,2-diol, 2-methyl-; 5-Hexene-1,3-diol, 2,3-6-methyl-2-(methyl-13C)-; 2,6-Octadiene-1,8-diol, Propanediol, 2-(5-hexenyl)-; 8-Nonene-3,4-diol; 5-Hexene-1,3-diol, 3-

Month (pub)

ethyl-; 7-Octene-3,4-diol; 6-Heptene-1,2-diol, 2-methyl-; 6-Heptene-2,4diol, 4-(2-propenyl)-; 2,6-Octadiene-1,4-diol, 3,7-dimethyl-; 8-Nonene-3,4diol; 6-Heptene-2,3-diol, 6-methyl-; 6-Heptene-2,3-diol, 2,6-dimethyl-; 4-Hexene-2,3-diol, 2,5-dimethyl-; 4,6-Octadione-2,3-diol, 2,6-dimethyl-; 7-Octene-2,3-diol, 2-methyl-6-methylene-; 7-Octene-2,3-diol, 6-methyl-; 1,4-Heptanediol, 6-methyl-5-4,6-Octadiene-2,3-diol, 2,6-dimethyl-; methylene-; 2-Butene-1,4-diol, 2-(4-methyl-3-pentenyl)-; 4-Octene-1,2diol; 4-Octene-1,2-diol; 7-Octene-2,4-diol; 6/Heptene-2,4-diol, 3-methyl-; 6-Heptene-2,4-diol, 3-methyl-; 3-Heptene-2,5-diol, 2,4-dimethyl-; 1,3-Butanediol, 2-(3-methyl-2-butenyl)-; 7-Octene-3,5-diol, 2-methyl-; 7-Octene-3,5-diol, 2-methyl-; 6-Heptene-2,4-diol, 5,5-dimethyl-; 6-Heptene-2,4-diol, 5,5-dimethyl-; 1,3-Propanediol, 2-methyl-2-(2-methylallyl)-; 2-Heptene-1,6-diol, 6-methyl-; 1,3/Butanediol, 2-allyl-3-methyl-; 2-Nonene-1,4-diol; 5-Hexene-2,3-diol,/4-ethenyl-2,5-dimethyl-; 5-Hexene-2,3-diol, ∕2-Nonene-1,4-diol; 5-Heptene-1,3-diol, 4-ethenyl-2,5-dimethyldimethyl-; 1,5-Hexanediol, 2-(1-methylethenyl)-; and 1,3-Propanediol, 2-(1-pentenyl)-; and

D.

E.

mixtures of the above compounds; and mixtures of 8-carbon-diol isomers consisting essentially of: 2,2,4-trimethyl-1,3-pentanediol; 2-ethyl-1,3-hexanediol; 2,2-dimethyl-1,3-hexanediol; 2-ethyl-4-methyl-1,3-pentanediol; 2-ethyl-3-methyl-1,3-pentanediol; 3,5-octanediol; 2,2-dimethyl-2,4-hexanediol; 2-methyl-3,5-heptanediol; and/or 3-methyl-3,5-heptanediol, any individual 1,3-diol being less than about 90% of any mixture.

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125. (Amended) The principal solvent of Claim 124, that is a compound selected from the group consisting of: 2,3-hexanediol, 5-methyl-; 3,4-hexanediol, 2-methyl-; 3,4-pentanediol, 2,3-dimethyl-; 1,3-propanediol, 2-(1,1-dimethylpropyl)-; 1,3-propanediol, 2-(1,2-dimethylpropyl)-; 1,3-propanediol, 2-(2,2-dimethylpropyl)-; 1,3-butanediol, 2-(1-methylpropyl)-; 1,3-butanediol, 2-(2-methylpropyl)-; 1,3-butanediol, 2-(2-methylpropyl)-; 1,3-butanediol, 2-methyl-2-isopropyl-; 1,3-butanediol, 3-methyl-2-isopropyl-; 1,4-butanediol, 3-methyl-2-isopropyl-; 1,4-butanediol, 2,2-diethyl-; 1,4-butanediol, 2-methyl-2-propyl-; 1,4-butanediol, 2-ethyl-2,3-dimethyl-; 1,4-butanediol, 2-ethyl-2,3-dimethyl-; 1,4-pentanediol, 2,2,3-trimethyl-; 1,4-pentanediol, 2,3,3-trimethyl-; 1,5-pentanediol, 2,2,3-trimethyl-; 1,5-pentanediol, 2-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl

2-

1,3-

1,3-

3,3-dimethyl-; 1,4-hexanediol, 3,4-dimethyl-; 1,4-hexanediol, 3,5-dimethyl-; 1,3hexanediol, 4,4-dimethyl-; 1,4-hexanediol, 4,5-dimethyl-; 1,5-hexanediol, 2,2-dimethyl-; 1,5-hexanediol, 3,4-dimethyl-; 1,5-hexanediol, 3,5-dimethyl-; 1,5-hexanediol, 4,5dimethyl-; 1,6-hexanediol, 2,3-dimethyl-; 1,6-hexanediol, 2,4-dimethyl-; 1,6-hexanediol, 3.3-dimethyl-; 2.4-hexanediol, 4,5-dimethyl-; 2,5-hexanediol, 2,3-dimethyl-; 2,5hexanediol, 2,4-dimethyl-; 2,5-hexanediol/3,3-dimethyl-; 2,6-hexanediol, 3,3-dimethyl-; 1,3-hexanediol, 4-ethyl-; 2,4-hexançdiol, 3-ethyl-; 2,5-hexanediol, 3-ethyl-; 1,3heptanediol, 4-methyl-; 1,3-heptanediol, 5-methyl-; 1,3-heptanediol, 6-methyl-; 1,5heptanediol, 3-methyl-; 1,5-heptanediol, 4-methyl-; 1,6-heptanediol, 3-methyl-; 1,6heptanediol, 5-methyl-; 2,4-keptanediol, 5-methyl-; 2,5-heptanediol, 3-methyl-; 3,5heptanediol, 2-methyl-; 2,6-octanediol; 2,4-hexanediol, 3,3,4-trimethyl-; 2,4-hexanediol, 3,5,5-trimethyl-; 2,4-hexanediol, 4,5,5-trimethyl-; 2,5-hexanediol, 3,3,4-trimethyl-; 2,5-3,3,5-trimethyl-; 1,2-propanediol, 3-(butyloxy)-, triethoxylated; hexanediol, propanediol, 3-(butyloxy)-, tetraethoxylated; 1,2-propanediol, 3-(2-pentyloxy)-; 1,2propanediol, 3-(3-pentyloxy)-; 1,2-propanediol, 3-(2-methyl-1-butyloxy)-; 1,2-propanediol, 1,2-propanediol, 1,2-propanediol, 3-(3-methyl-2-butyloxy)-; 3-(iso-amyloxy)-; 1,2-propanediol, 3-(1-cyclohex-1-enyloxy)-; 1,3-propanediol, (cyclohexyloxy)-; (pentyloxy)-; 1,3-propanediol, 2-(2-pentyloxy)-; 1,3-propanediol, 2-(3-pentyloxy)-; 1,3-1,3-propanediol, 2-(iso-amyloxy)-; propanediol, 2-(2-methyl-1-butyloxy)-; 2-(cyclohexyloxy)-; propanediol, 2-(3-methyl-2-butyloxy)-; 1,3-propanediol, propanediol, 2-(1-cyclohex-1-cnyloxy)-; 1,2-propanediol, 3-(butyloxy)-, pentaethoxylated; 3-(butyloxy)-, hexaethoxylated; 1,2-propanediol, 3-(butyloxy)-, 1,2-propanediol, heptaethoxylated; 1,2-propanediol, 3-(butyloxy)-, octaethoxylated; 1,2-propanediol, 3-(butyloxy)-, nonaethoxylated; 1,2-propanediol, 3-(butyloxy)-, monopropoxylated; 1,2propanediol, 3-(butyloxy)-, dibutyleneoxylated; and 1,2-propanediol, 3-(butyloxy)-,

pentanediol, 3-ethyl-2-methyl-; 1,4-pentanediol, 3-ethyl-3-methyl-; 1,5-pentanediol

ethyl-2-methyl-; 1,5-pentanediol, 2-ethyl-4-methyl-; 2,4-pentanediol, 3-ethyl-2-methyl-; 1,3-pentanediol, 2-isopropyl-; 1,3-pentanediol, 2-propyl-; 1,4-pentanediol, 2-isopropyl-; 1,4-pentanediol, 2-propyl-; 1,4-pentanediol, 3-isopropyl-; 2,4-pentanediol, 3-propyl-; 1,3hexanediol, 2,3-dimethyl-; 1,3-hexanediol, 2,5-dimethyl-; 1,3-hexanediol, 3,4-dimethyl-; 1,3-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,5-dimethyl-; 1,4-hexanediol, 2,2dimethyl-; 1,4-hexanediol, 2,3-dimethyl-; 1,4-hexanediol, 2,4-dimethyl-; 1,4-hexanediol,

tributyleneoxylated.